

HERZ-Thermostatic Head with Remote Sensor

9430
9460

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| <p>1 9430 08 HERZ-Design Thermostat with remote sensor consisting of a remote sensor, capillary tube l=2,000 mm, and thermostat with liquid sensor (hydrosensor) with "0"-position; adjustable frost release, limitation and locking of selected temperature range, white handwheel;</p> <p>1 9430 18 capillary tube = 8,000 mm</p> <p>1 9430 98 HERZ-Design Thermostat "H" with remote sensor capillary tube = 2.000 mm</p> <p>1 9460 06 HERZ-Design Thermostat with remote sensor consisting of a remote sensor, capillary tube l = 2,000 mm, and thermostat with liquid sensor (hydrosensor) with automatic frost release, limitation and locking of selected temperature range, white handwheel.</p> <p>1 9460 18 capillary tube = 8,000 mm</p> <p>1 9460 98 HERZ-Design Thermostat "H" with remote sensor capillary tube = 2.000 mm</p> | <p>Models</p> <p>9430</p> <p>9460</p> |
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|--------------------------------|--|
| Set value temperature | 9430: 6–30 °C 9460: 6–28 °C |
| Frost safety limit temperature | 6 °C |

Operating Data

The HERZ-thermostat with remote sensor is maintenance-free.

Suitable for mounting on all HERZ-valves suitable for thermostatic operation.
For order numbers, dimensions and delivery forms of HERZ-valves consult the respective standard sheets.

Field of Application

The HERZ-thermostat serves as a room temperature sensing and control unit. The change in volume of the liquid contained in the hydrosensor actuates the valve spindle.

Mode of Operation

The attractive design of the HERZ-thermostat was developed in cooperation with "Porsche Design GmbH", Ferdinand A. Porsche, A-5700 Zell am See.

Design

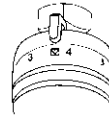
We reserve the right to make modifications necessitated by technological progress.

By setting the scale marks opposite the pointer it is possible to achieve the following approximate temperatures in the room. Deviations of a few degrees (K) are possible according to the mode of installation and design of the heating system.

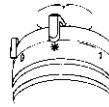
| | | | | | | | | |
|------|---|----|----|------|----|----|----|----|
| Mark | * | 1 | 2 | 3 | ☒ | 4 | 5 | 6 |
| ~ °C | 6 | 10 | 13 | 17.5 | 20 | 22 | 25 | 28 |

Thermostat **9430**: Turning anti-clockwise up to the maximum position (preset by manufacturer) corresponds to approximately 30 °C.
 Thermostat **9460**: Scale mark "6" corresponds to approximately 28 °C.

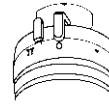
The comfort point "☒" corresponds to a room temperature of approximately 20 °C. This means optimum heating comfort and energy saving.



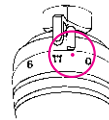
In the "*" position, the valve opens automatically at an ambient temperature of approximately 6 °C thus preventing the system from freezing up.



In the "0"-position the thermostatic valve is shut off and the frost release is turned off. The thermostatic functions remains active.



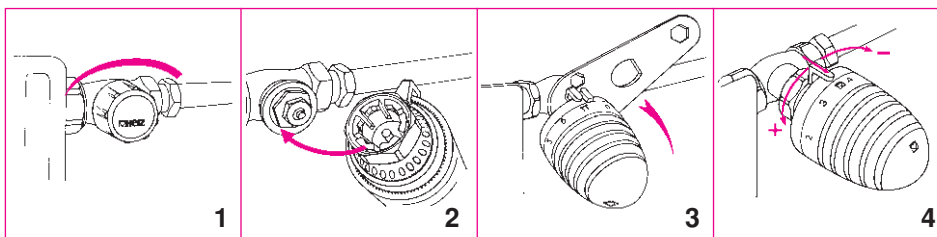
The pre-set stop limit is shown by a point mark and corresponds to the entire turning range.



After the end of the heating period, open thermostats completely by turning anti-clockwise to prevent the formation of dirt deposits at the valve seat.

Theft protection clips are available which are fitted over the fastening nut.

1. Unscrew cap of handwheel from the thermostatic valve lower part.
2. Place the thermostatic head in the "completely open" position onto the lower part of the valve (as pre-set by the manufacturer) in such a way that the anti-twist lock engages and the pointer is clearly visible.
3. Fit the union nut, tighten moderately with 30-mm-key.
4. Test for proper functioning by turning the handwheel.



Adjustment Options

Handwheel Scale

Maximum Temperature

Comfort Point



Frost release



**Shutoff Function
Thermostat 9430**

**Pre-setting
by Manufacturer**

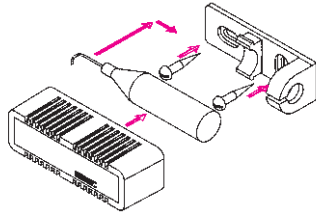
Summer Setting

Theft Protection

**Thermostatic
Head Installation**

- Fasten the bracket delivered with the sensor on the wall by means of adhesive tape or screw onto the wall. Screws and dowels $\varnothing = 6$ mm, as well as adhesive foil are enclosed.
- Snap the sensor element into the bore.
- Snap the casing onto the bracket with the sensor element installed.

Retaining clips (1 **7555** 00) are available for fastening the capillary tube.



Remote Sensor Mounting

Under no circumstances should the sensor element of the HERZ-thermostat be exposed to direct sunlight or to the effects of equipment emitting relevant quantities of heat (e.g. TV-sets). If the sensor element is covered, e.g. by panelling or heavy curtains, this will cause heat accumulation zones in which the hydrosensor cannot sense the room temperature properly and consequently is not in a position to control it. In these cases, use HERZ-thermostats with remote control.

Important for Installation

- 1 **6640** 00 HERZ universal key, for opening theft protection
- 1 **6807** 90 HERZ-TS-90-Universal key
- 1 **7555** 00 Retaining clips for capillary tube installation
- 1 **9551** 00 Limiting pins for limiting and locking the set temperature range
- 1 **9552** 03 Theft protection (snap clips), to be opened with key 1 **6640** 00

Accessories

Adjustments for Limiting and Locking the Set Temperature Range

Limitations

Personal Comfort Point Adjustment

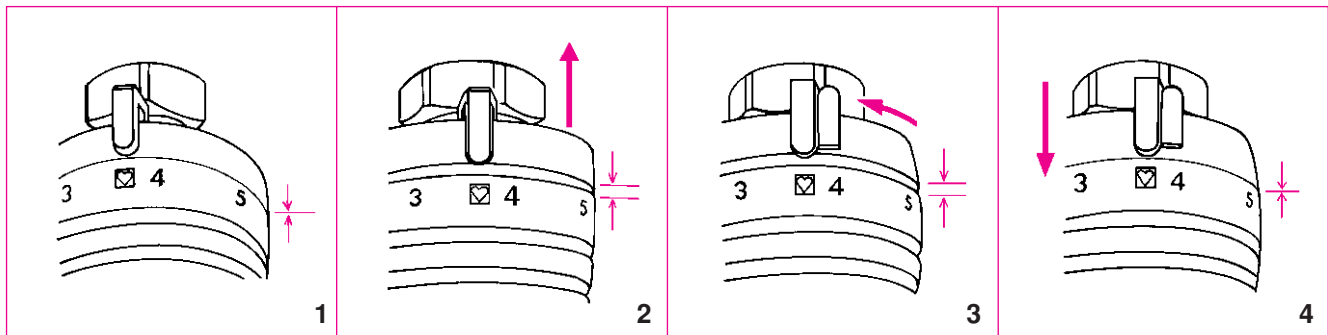
By changing the position of the click-in limiting pin ring the personal comfort point can be adjusted to a maximum or a minimum limit. The thermostatic heads are delivered with the full temperature range available.

Procedure

- Turn handwheel to the desired position (fig. 1).
- Release limiting pin ring in the direction of the valve (one notch) and turn in such a way that the limiting pin is positioned to the left (lower limit) or to the right (upper limit) of the pointer (fig. 2 and 3).
- Click-in the adjusted limiting pin ring (fig. 4).
- Depending on the adjustment, the thermostatic head can now be turned up to the desired position or from there to the maximum position.

This comfort point adjustment can be changed or cancelled at any time.

The pre-setting by the manufacturer is shown by a point mark and corresponds to the complete temperature range.



Concealed Limitation or Locking

Setting one or two plug-in limiting pins permits limitation or locking of the temperature range in such a way that it is concealed and cannot be changed by any unauthorized person.

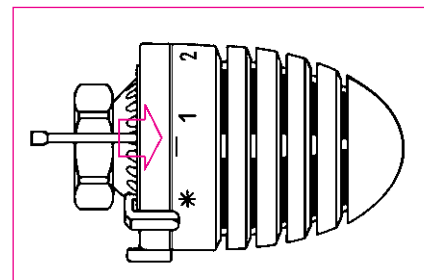
The limiting pins are available as accessories. Set: Art. No. 1 9551 00.

Procedure:

The base of the lower side of the thermostatic head is equipped with a circle of holes for the limiting pins.

- Set the hand wheel of the thermostatic head to the desired limitation or locking position.
- Between positions “*” and “1” of the handwheel scale there is a crossline which marks the point where the limiting pins are to be placed. The procedure is basically the same as for “Limitations” (see above).

- Lower Limit:
Insert pin in the hole aligning with the left end of the line.
- Upper Limit:
Insert pin in the hole aligning with the right end to the line.
- Locking to one Setting:
Insert one pin at each end of the line.



- The limiting pins must be inserted up to the stop (enlargement). They can be removed with an appropriate tool (flat pliers, etc.).